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Jun 24, 2003

US-PAT-NO: 6584493

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TITLE: Multiparty conferencing and collaboration system utilizing a per-host model command, control and communication structure

DATE-ISSUED: June 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Butler; Laura J.	Seattle	WA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Microsoft Corporation	Redmond	WA			02

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PARENT-CASE:

This application claims the benefit of Provisional application No. 60/122,429, filed Mar. 2, 1999.

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PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>5077732</u>	December 1991	Fischer et al.	340/825.5
<input type="checkbox"/> <u>5467264</u>	November 1995	Rauch et al.	
<input type="checkbox"/> <u>5471318</u>	November 1995	Ahuja et al.	
<input type="checkbox"/> <u>5530795</u>	June 1996	Wan	

<input type="checkbox"/>	<u>5572582</u>	November 1996	Riddle	379/202.01
<input type="checkbox"/>	<u>5717863</u>	February 1998	Adamson et al.	
<input type="checkbox"/>	<u>5717879</u>	February 1998	Moran et al.	
<input type="checkbox"/>	<u>5790127</u>	August 1998	Anderson et al.	345/759
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<input type="checkbox"/>	<u>5949975</u>	September 1999	Batty et al.	709/213
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ART-UNIT: 2142

PRIMARY-EXAMINER: Coulter; Kenneth R.

ASSISTANT-EXAMINER: Nguyen; Hai V.

ATTY-AGENT-FIRM: Leydig, Voit & Mayer, Ltd.

ABSTRACT:

A networking conferencing and collaboration tool utilizing an enhanced T.128 application sharing protocol. This enhanced protocol is based on a per-host model command, control, and communication structure. This per-host model reduces network traffic, allows greater scalability through dynamic system resource allocation, allows a single host to establish and maintain a share session with no other members present, and supports true color graphics. The per-host model allows private communication between the host and a remote with periodic broadcasts of updates by the host to the entire share group. This per-host model also allows the host to allow, revoke, pause, and invite control of the shared applications. Subsequent passing of control is provided, also with the hosts acceptance. The model contains no fixed limit on the number of participants, and dynamically allocates resources when needed to share or control a shared application. These resources are then freed when no longer needed. Calculation of minimum capabilities is conducted by the host as the membership of the share changes. The host then transmits these requirements to the share group.

48 Claims, 4 Drawing figures

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